(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 9 December 2004 (09.12,2004)

PCT

(10) International Publication Number WO 2004/105879 A1

(51) International Patent Classification7: 18/02

A62B 9/02 //

(21) International Application Number:

PCT/NO2004/000156

(22) International Filing Date: 1 J

1 June 2004 (01.06.2004)

(25) Filing Language:

Norwegian

(26) Publication Language:

English

(30) Priority Data: 20032477

2 June 2003 (02.06.2003) NO

(71) Applicant (for all designated States except US): OTTES-TAD BREATHING SYSTEMS AS [NO/NO]; Kalvetangvn. 81, N-3132 Husøysund (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): OTTESTAD, Nils, T. [NO/NO]; Lyngvn. 27, N-3118 Tønsberg (NO).

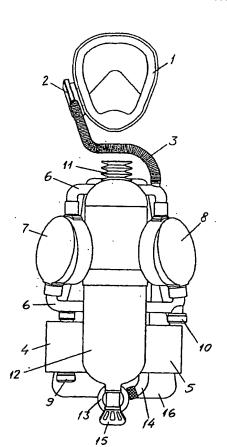
(74) Agent: TANDBERGS PATENTKONTOR AS; Boks 7085, N-0306 Oslo (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: A PORTABLE BREATHING APPARATUS



(57) Abstract: A portable breathing apparatus comprising a face mask (1) having a breathing valve (2), a blower (4) for the supply of breathing air to the breathing valve via a supply line (3), a filter device (7, 8) for cleaning of the breathing air from the blower (4), and a compressed-air container (12) for alternative supply of breathing air to the breathing valve. The breathing apparatus is characterised in that the breathing valve (2) is a demand valve, that a check valve (9) is arranged on the upstream side of the blower (4), and that the compressed-air container (12) is provided with a pressure control valve (13) for establishing an overpressure in the entire breathing system upstream of the breathing valve (2) and downstream of the check valve (9), so that gas or liquid from the surroundings can not penetrate into the system.

WO 2004/105879 A1

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.